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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

THOMAS RITTER, ET AL.

: EXAMINER: MARVICH

SERIAL NO: 10/068,916

FILED: FEBRUARY 11, 2002

: GROUP ART UNIT: 1636

RECEIVED

FOR: GENETICALLY MODIFIED T-CELLS, METHOD FOR PRODUCING

THEM AND USE THEREOF

JAN 2 0 2004

DECLARATION UNDER 37 C.F.R. 1.132

TECH CENTER 1600/2900

ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

SIR:

Now comes Jerzy W. Kupiec-Weglinski, M.D., Ph.D. who states that:

- 1. I am Professor of Surgery and Pathology at UCLA, and hold the endowed Goldwyn
 Chair in Transplantation Immunobiology.
- 2. I have been working in the transplantation arena for over 25 years now, including 18 years at Harvard. I authored over 350 referred papers in the scientific literature that focus on organ transplantation. My curriculum vitae is attached as Exhibit 1.
- 3. I have read and understand the contents of the above-identified patent application.
- 4. It is my understanding that a point of contention in this application is whether it would require undue experimentation to make and use the in vitro modified T cells described and claimed in this patent application.
- 5. First of all, I would like to state that the idea of using ex-vivo generated alloantigen-specific T cells from transplant recipient as carriers for immunomodulatory molecules, both in the transplant itself and in the secondary

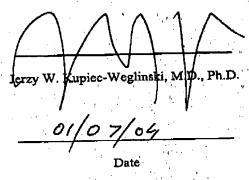
Application No. 10/068,916 Reply to Office Action of

lymphoid organs (lymph nodes or spleen), is a novel one. Indeed, it is a highly desirable approach, as the likelihood that such T cells could replace other currently applied immunosuppressive drugs without severe side effects is potentially high. Moreover, it may well fulfill the elusive goal of transplantation of creating a true tolerance only after a short-term treatment.

- 6. Second, there is no doubt that some safety concerns related to the retrovirus-mediated gene transfer should be taken into the account. However, it is my understanding that in Dr. Ritter's proposal the generation of alloantigen-specific T cells by retrovirus-mediated gene transfer is not the sole technique that will be employed. Although retrovirus-mediated gene transfer is the most efficient technique to transduce T cells nowadays, it is plausible that other more efficient techniques will be developed in the near future for this particular application. However, at present retrovirus-mediated gene transfer is still the prominent and acceptable technique in human trials despite safety concerns when T cells or hematopoietic stem cells are the target of therapy.
- 7. Third, I find Dr. Ritter's in vitro results with IL-10 modified T cells to be most fascinating and promising. The approach of generating regulatory cells ex vivo with regulatory in vivo properties has been recently reported. Indeed, Hori et al. have shown very promising data on the generation of regulatory T cells by retrovirus-mediated gene transfer of foxP3 in T cells in autoimmune models (Science, 2003; 299:1057-1060). Thus, based on my knowledge of the field, I am convinced that in vitro IL-10 modified T cells will exert potent regulatory functions in vivo.
- At the end let me stress again my high enthusiasm for that innovative and clinically applicable patent application.

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9. I declare under penalty of perjury that the foregoing is believed to be true and accurate.



CURRICULUM VITAE

JERZY W. KUPIEC-WEGLINSKI, M.D, Ph.D.

Personal Information:

Business Address: The Dumont-UCLA Transplant Center

Division of Liver and Pancreas Transplantation

10833 Le Conte Ave., 77-120 CHS

Los Angeles, CA 90095

Business Phone:

(310) 825-4196 (310) 267-2358

Business Fax: Business E-Mail:

JKUPIEC@MEDNET.UCLA.EDU

Date of Birth: Place of Birth:

July 11, 1951 Warsaw, Poland

Citizenship:

USA"

Marital Status: Home address: Married; Wife:Kasia; 1 child: Sophie-Ann 1735 San Ysidro Dr., Beverly Hills, CA 90210

Home Phone:

(310) 385-8467

Education:

1969

. College of Warsaw, Poland

1974 1979 M.D. - Warsaw Medical School, Poland

Ph.D. - Department of Surgical Research and Transplantology, Medical Research

Center, Polish Academy of Sciences, Warsaw, Poland

Postdoctoral Training:

Internships and Residencies:

1975 - 1978 Rotating Internship, Clinics of Warsaw Medical School
1976 - 1978 Physician to Out-Patients, Warsaw Medical School

1976 - 1978

Resident in Internal Medicine, Clinic of Gastroenterology and Metabolic Diseases,

Warsaw Medical School

1978

Senior Resident

Research Fellowships:

1975 - 1979

Department of Surgical Research and Transplantology, Medical Research Center, Polish Academy of Sciences, Warsaw, Poland. February 1979. Ph.D. thesis: "The

migration of ⁵¹Cr- and ¹²⁵IUDR-labelled lymphocytes in normal rat". Exchange Fellow in Surgery, St. Paul's Hospital, Barcelona, Spain

1975 1976

Exchange Fellow in Surgery, Central Institute of Diabetes, Karlsburg, Germany

1986 (9 months)

Horatio Symmonds Fellow, Nuffield Department of Surgery, University of Oxford, John Radcliffe Hospital, and MRC Cellular Immunology Unit, Sir William Dunn School of

Pathology, Oxford, UK

Licensure and Certification:

1975 M.D., Warsaw, Poland

1978 Medical Licence for Private Practice in Internal Medicine and Surgery, Warsaw

1979 Ph.D., Warsaw

Academic Appointments:

Academic Appointments	x
4076	Junior Assistant in Surgical Research, Polish Academy of Sciences
1976	Senior Assistant
1978	
1979	Assistant Professor
1979 - 1981	Research Fellow in Surgery, Harvard Medical School, Boston, MA
1982 - 1984	Instructor in Surgery, Harvard Medical School
1985 - 1987	Assistant Professor of Surgery, Harvard Medical School
1987 - 1997	Associate Professor of Surgery, Harvard Medical School
1997 -	Professor of Surgery, University of California School of Medicine at Los Angeles
	Professor of Pathology and Laboratory Medicine, University of California School of Medicine
2001 -	
, 1	at Los Angeles
2002 -	Joan S. and Ralph N. Goldwyn Chair in Immunobiology and Transplantation Research, UCLA
Awards/Honors;	
,	
1996	Habilitation; Polish Academy of Sciences, Ludwik Hirszfeld Institute of Immunology and
1990	Experimental Therapy, Wroclaw, Poland
0000	Experimental Therapy, Wildew, Foliand
2002	Honorary Doctorate (Honoris Causa); Warsaw Medical Academy, Poland
100	
Major Committee Assig	nments in Professional Societies:
1986 -	Member, Editorial Board, TRANSPLANTATION
1986 -	Reviewer, SCIENCE, JOURNAL OF CLINICAL INVESTIGATION, JOURNAL OF
1900 -	IMMUNOLOGY, ANNALS OF SURGERY, HYBRIDOMA, JASN, etc.
	IMMUNUOGA, ANNALS OF SURGERY, THE REPORT A TRANSPORTATION Society
1988	Scientific Co-Chairperson, XII International Congress of The Transplantation Society,
	Sydney, Australia
1990	Scientific Co-Chairperson, IX Annual Meeting of The American Society of Transplant
	Physicians, Chicago, IL
1990	Abstract Review Panelist, XIII International Congress of The Transplantation Society, San
1990	Francisco, CA
4000	Scientific Co-Chairperson, XIII International Congress of The Transplantation Society, San
1990	
	Francisco, CA
1991 -	Ad-hoc reviewer: National Institutes of Health, Veterans Health Administration, The Kidney
100	Foundation of Canada
1992	Abstract Review Panelist, XIV International Congress of The Transplantation Society,
	Paris, France
1992	Scientific Co-Chairperson, XIV International Congress of The Transplantation Society,
1992	Paris, France
1000	Scientific Co-Chairperson, XII Annual Meeting of The American Society of Transplant
1993	
	Physicians, Houston, TX
1993	International Scientific Advisory Committee, III Basic Sciences Symposium of The
	Transplantation Society, Big Sky, MT
1993 - 1995	Scientific Studies Committee of the American Society of Transplant Physicians
1993 -	Member, Editorial Board, TRANSPLANT IMMUNOLOGY
	Scientific Co-Chairperson, XIII Annual Meeting of The American Society of Transplant
1994	
	Physicians, Chicago, IL
1994	Abstract Review Panelist, XV World Transplantation Congress, Kyoto, Japan
199 <u>4</u>	Scientific Co-Chairperson, XV World Transplantation Congress, Kyoto, Japan
1995	International Scientific Advisory Committee, IV Basic Sciences Symposium of The
	Transplantation Society, Noordwijkerhout, Holland
1995	Scientific Co-Chairperson, XIV Annual Meeting of The American Society of Transplant
1995	
1005	Physicians, Chicago, IL
1995	Scientific Co-Chairperson, IV Basic Sciences Symposium of The Transplantation Society,
	Noordwijkerhout, Holland
1996	Abstract Review Panelist, XVI International Congress of The Transplantation Society,
	Barcelona. Spain
1996	Abstract Review Panelist, XV Annual Meeting of The American Society of Transplant
	Physicians, Dallas, TX
	and the second s

Scientific Co-Chairperson, XV Annual Meeting of The American Society of Transplant 1996 Physicians, Dallas, TX Member, Editorial Board, ANNALS OF TRANSPLANTATION 1996 -Scientific Co-Chairperson, XVI International Congress of The Transplantation Society, 1996 Barcelona, Spain Awards Committee of the American Society of Transplant Physicians 1996 -Scientific Co-Chairperson, VI International Alexis Carrel Conference, Banff. Canada 1996 Abstract Review Panelist, XVI Annual Meeting of The American Society of Transplant 1997 Physicians, Chicago, IL Scientific Co-Chairperson, XVI Annual Meeting of The American Society of Transplant 1997 Physicians, Chicago, IL Member, Editorial Board, FRONTIERS IN BIOSCIENCE 1997 -Scientific Co-Chairperson, XVII Annual Meeting of The American Society of 1998 Transplant Physicians, Chicago, IL Abstract Review Panelist, XVII International Congress of The Transplantation Society, 1998 Montreal, Canada 1998 -Member, Editorial Board, GRAFT Scientific Co-Chairperson, XVII International Congress of The Transplantation Society, 1998 Montreal, Canada Ad-hoc Member, Surgery, Anesthesiology and Trauma Study Section, NIH 1998 Co-Chair: Basic Science Abstract Review Panelist, XVII Annual Meeting of The American 1999 Society of Transplant Physicians, Chicago, IL Co-Chair, Abstract Review Committee, Transplant 2000. Chicago. IL 2000 Program Planning Committee Transplant 2000, Chicago, IL 2000. Scientific Co-Chairperson, XVIII International Congress of The Transplantation Society, 2000 Romė, Italy Program Planning Committee Transplant 2001, Chicago, IL 2000 Member, Awards Committee, American Society of Transplantation 2000 -Member, Basic Science Committee, American Society of Transplantation 2000 -Vice Chair, Awards Committee, American Society of Transplant Surgeons 2000 -Editorial Board, 2nd International Congress on Immunosuppression, San Diego, CA 2000-2001 Program Planning Committee, American Transplantation Congress 2002, Washington, DC 2001 Program Planning Committee, 2nd Winter Symposium of American Society of Transplant 2001 Surgeons, Miami, FL Board of Directors, American Society of Transplantation 2002 -Abstract Review Panelist, XIX International Congress of Transplantation Society, Miami, FL 2002 Scientific Co-Chairperson, XIX International Congress of Transplantation Society, Miami, FL 2002 Co-Chair, Basic Science Section; NIH Consensus Conference on Humoral Rejection, 2003

Memberships in Professional Societies:

1982 -	International Society for Heart Transplantation
1984 -	The Transplantation Society
1985 -	American Association of Immunologists
1991 -	American Society of Transplant Physicians
1998	American Society of Transplantation
1999-	American Society of Transplant Surgeons

Bethesda, MD

Major Research Interests:

1982 -

Transplantation - host responses to vascularized organ allografts

Immunobiology - host immunomodulation by CD4/CD25 targeted therapies, CsA, Rapamycin

- cytokine networks in graft recipients

Immunology - cell surface receptors

- migration and homing of lymphoid cells

American Federation for Clinical Research

- role of the extracellular matrix proteins in lymphocyte recirculation

Research Funding Information:

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2003 - 2008	USPHS RO1 DK062357: "Heme Oxygenase-1 in Hepatic Ischemia/Reperfusion Injury" (PI)
2001 - 2007	USPHS RO1 AI 23847: "Costimulatory Pathways in Sensitized Graft Recipients" (PI)
1998 - 2003	USPHS RO1 AI 42223: "Infectious Tolerance in Transplant Recipients" (PI)

Past:	
1981 - 1985	Biomedical Research Support Grants, Brigham and Women's Hospital
1985 - 1986	William F. Milton Fund: "IL-2 Receptor Targeted Therapy in Organ Transplantation"
1986	Horatio Symmonds Scholarship, Nuffield Department of Surgery, Oxford University
1987 - 1989	American Heart Association Grant-In-Aid Award: "Anti IL-2 Receptor Therapy in Transplantation" (PI)
1988 - 1991	USPHS RO1 Grant: "Anti IL-2 Receptor MoAb and Cyclosporine in Grafted Hosts" (PI)
1990 - 1991	NATO Grant: "Biological Bases of Drug Interactions in Organ Transplantation" (PI)
1990 - 1992	SmithKline Beecham Pharmaceuticals Grants: "Evaluation of Therapeutic Efficacy of SK&F
,	105,685 and Rapamycin in Organ Transplantation"
1991 - 1996	USPHS RO1 Grant: "CD4/CD25 Targeted Therapy in Sensitized Graft Recipients" (PI)
1992 - 1997	USPHS RO1 Grant: "Mechanisms of Chronic Rejection of Kidney Allografts" (Co-Invest)
1996 - 1997	William F. Milton Fund: "Novel Therapy for Chronic Rejection by Using Fibronectin Peptides" (PI)
1996 - 1999	NATO Grant: "Nondepleting CD4-Targeted Immunosuppressive Therapy in Sensitized Allograft
1.5	Recipients" (PI)
1998 - 2001	Athena Neuroscience Inc. Educational Grant: "VLA-4-Targeted Therapy in Organ Transplantation" (PI)
1999 - 2002	SangStat Corp. Grant: "The Role of Heme Oxygenase in Ischemia/Reperfusion Injury" (PI)
2000 – 2002	University of California BIOSTAR Grant: "Heme Oxygenase in Liver Ischemia/Repefusion Injury" (PI)

Teaching Experience:

1981 -		Grand Pound	s presentations
1981 -		Grano Rouno	s presentations

Grand Rounds presentations
Supervising post-doctoral fellows and surgical residents 1981 -1984 -

Invited Lectures (selected):

'	1982		٠	",	VII International Congress in Microsurgery, Lyon, France
	1985				Borle Marrow Transplant Unit, The Johns Hopkins School of Medicine, Baltimore, MD
	1986	i i			Institute of Immunology, Free University, West Berlin, Germany
. '	1986	••			Institute of Immunology & Oncology, BAYER AG, Wuppertal, Germany
	1986				Department of Experimental Surgery, State University, Groningen, Holland
	1986				Nuffield Department of Surgery, John Radcliffe Hospital, Oxford, UK
	1986				Department of Immunology, University of Manchester, UK
	1987				Sandoz Research Institute, East Hanover, NJ
	1987				Workshop on Transplant Tolerance: Rationale and Application, Bar Harbor, ME
	1987				Joint Meeting of The French Transplant and Immunological Society, Paris, France
	1987				Institute of Immunology, University of Nantes, France
	1988				International Symposium on Transplantion Immunology, West Berlin, Germany
	1988				Department of Surgery, Columbia University, New York, NY
	1988				Reconstructive Microsurgery & Transplant Lab, University of California, Irvine, CA
	1988				International Symposium on Inflammatory Heart Disease, Snowmass, CO
	1989				Department of Surgery, The German Heart Center, West Berlin, Germany
	1989		•		Department of Surgery & Immunology, Mayo Clinic, Rochester, MN
	1989				IV Congress of The European Society for Organ Transplantation, Barcelona, Spain
	1990				X Meeting of The Mexican Transplantation Society, Mexico City, Mexico
	1990				Department of Surgery, Klinik rechts der Isar, Munich, Germany
	1990				Symposium on The Experimental Models in Transplantation Surgery, Cortona, Italy
	1990			•	International Conference on Monoclonal Antibodies for Clinical Use, London, UK
	1990				Il Congress of The Brazilian Association for Organ Transplantation, Canela, Brazil
	1991				Federation of American Societies for Experimental Biology, Atlanta, GA
	1991				Workshop on Composite Tissue Transplantation, Seattle, WA
	1991				Department of Pathology & Surgery, University of Florida, Gainesville, FL
	1992		•		Molecular Mechanisms of T Cell Regulation in Transplantation, Paris, France
	1992				Workshop on Immunology of Corneal Transplantation, Reisensburg-Ulm, Germany
	1993				XII Annual Meeting of The American Society of Transplant Physicians, Houston,TX

1993		Department of Pharmaceutics, State University of New York, Buffalo, NY
1993		III Basic Sciences Symposium of The Transplantation Society, Big Sky, MT
1993		Symposium on Cell Adhesion Molecules in Immunopathology, Warsaw, Poland
1993	٠.	Hirszfeld Institute of Immunology and Experimental Therapy, Wroclaw, Poland
		Department of Surgery, Asahikawa Medical College, Asahikawa, Japan
1994		Department of Surgery, Asarinkawa intended Conege, Asarinkawa, Garan
1994		Medical Institute of Bioregulation, Kyushu University, Fukuoka, Japan
1994		National Children's Medical Research Center, Tokyo, Japan
1994		Department of Surgery, Queen Mary Hospital, Hong Kong
1994		Department of Surgery, Cedars-Sinai Medical Center, Los Angeles, CA
1995		International Symposium "Progress in Transplantation", Warsaw, Poland
1995		J. Humphrey Course on Modulation of the Immune Response, Holzhau, Germany
1995		Symposium on the Extracellular Matrix in Transplantation, Porto, Portugal
1996		International Symposium "Progress in Transplantation", Warsaw, Poland
1996		Tibor Diamantstein-Gedenksymposium, Berlin, Germany
		XV Annual Meeting of The American Society of Transplant Physicians, Dallas, TX
1996		AV All Indian Meeting of The American College of Modicine Chicago. II
1996		The University of Illinois, College of Medicine, Chicago, IL
1996		The Dumont-UCLA Transplant Center, Los Angeles, CA
1996		International Conference "Organ and Tissue Transplantation", Prague, Czech Republic
1996		VI International Alexis Carrel Conference, Banff, Alberta, Canada
1997		First ASTP Winter Symposium, Phoenix, AZ
1997		XVI Annual Meeting of The American Society of Transplant Physicians, Chicago, IL
1997	*	29th International Conference on Transplantation and Clinical Immunology, Lyon, France
1997		The International Congress on Immunosuppression, Orlando, FL
1998	1	Sandoz Center for Immunobiology, Harvard Medical School, Boston, MA
1998	•	Institute of Medical Immunology, Humboldt University, Berlin, Germany
1999	٠.	Harvard Medical School, Boston, MA
2000		4 th Annual Winter Symposium, American Society of Transplantation, Puerto Rico
2000		Transplant 2000, Chicago, IL
		26 th Annual Meeting of American Society of Histoincompatibility and Immunogenetics, Orlando, FL
2000		The Thomas Starzl Transplantation Institute, Pittsburgh, Pennsylvania
2000		The Homas Starz Transplantation institute, Fittsburgh, Fermsylvania
2000		The Max Planck Institute, Berlin, Germany
2001		6 th International Conference on Tolerance Induction, Tucson, AZ
2001		5 th Annual Winter Symposium, American Society of Transplantation, Island of Hawaii
2001		The Cleveland Clinic Foundation, Cleveland, OH
2001		Transplant 2001, Chicago. IL
2001		6 th Annual Meeting of The Japanese Society for Liver Transplantation, Yokohama, Japan
2001		Department of Surgery, Showa University, Tokyo, Japan
2001		Department of Surgery, University of Maryland Medical School, Baltimore, MD
2001		The Second International Congress on Immunosuppression, San Diego, CA
2002		The Second Winter Symposium of American Society of Transplant Surgeons, Miami Beach, FL
2002	4 4	The American Transplantation Congress, Washington, DC
2002		Progress in Organ Transplantation, Taichung, Taiwan
2002		International Liver Transplantation Society 8th Congress, Chicago, IL
	•	XIX International Congress of The Transplantation Society, Miami, FL
2002		International Symposium on Moral, Legal and Ethical Aspects of Transplantation. Warsaw, Poland
2002		International Symposium on Woral, Legal and Ethical Aspects of Transplantation, Walsaw, Foland
2003		NIH Consensus Conference on Humoral Rejection, Bethesda, MD
2003		The Department of Pathology, The Johns Hopkins School of Medicine, Baltimore, MD
2003		The American Transplantation Congress, Washington, DC
2003		International Conference on HO-1 and CO, Uppsala, Sweden
	1.	

BIBLIOGRAPHY

Jerzy W. Kupi c-Weglinski, M.D., Ph.D.

PEER REVIEWED RESEARCH ARTICLES:

- 1. <u>Kupiec-Weglinski JW</u>, Olszewski WL: Lymphocyte recirculation through the non-lymphoid tissues of normal rats. **Arch. Immunol. et Ther. Exp. 1978**; 26:381-8.
- 2. Olszewski WL, <u>Kupiec-Weglinski JW</u>: Whole body localization of intravenously injected lymphoblasts in normal rats. **Lymphology 1978; 11:222-30.**
- 3. <u>Kupiec-Weglinski JW</u>, Tilney NL: Migration patterns of lymphocytes from recipients of organ allografts. I. The unmodified host. **Transplantation 1981**; 32:121-7.
- 4. Baldwin WM III, McKean WP, Clason AC, Bordes-Aznar J, <u>Kupiec-Weglinski JW</u>, Tilney NL: Selective localization of cortical thymocytes to cardiac allografts in enhanced rats. **Transplantation 1982**; **33:200-2**.
- 5. <u>Kupiec-Weglinski JW</u>, Bordes-Aznar J, Clason AE, Duarte AJS, Araneda D, Carpenter CB, Strom TB, Tilney NL: Migration patterns of lymphocytes in untreated and immunologically manipulated recipients of organ allografts. **Transplantation 1982; 33:593-8.**
- 6. Clason AE, Duarte AJS, <u>Kupiec-Weglinski JW</u>, Williams JN, Wang BS, Strom TB, Tilney NL: Restoration of allograft responsiveness in B rats by interleukin 2 and/or adherent cells. **J. Immunol. 1982; 129:252-9.**
- 7. Bordes-Aznar J, <u>Kupiec-Weglinski JW</u>, Duarte AJS, Milford EL, Strom TB, Tilney NL: Function and migration of suppressor lymphocytes from Cyclosporine- treated heart graft recipients. **Transplantation 1983**; **35**: **185-90**.
- 8. Rowinski WA, <u>Kupiec-Weglinski JW</u>, Tilney NL: Migration patterns of lymphocytes from recipients of organ allografts. II. The enhanced host. **Transplantation 1983; 36:467-9.**
- 9. Lear PA, Heidecke CD, Kupiec-Weglinski JW, Araneda D, Strom TB, Tilney NL: Restoration of allograft responsiveness in B rats. II. Requirements for lymphoid populations and lymphokine. **Transplantation 1983; 36:412-7.**
- 10. <u>Kupiec-Weglinski JW</u>, Lear PA, Heidecke CD, Araneda D, Tilney NL: Restoration of allograft responsiveness in B rats. IV. The divergent migratory behavior of lymphocyte populations mediating cardiac allograft rejection. **Cell. Immunol. 1984; 85:459-76.**
- 11. <u>Kupiec-Weglinski JW</u>, Lear PA, Heidecke CD, Tilney NL: Modification of function and migration patterns of thymocyte populations by Cyclosporine after organ transplantation in rats. **Transplantation 1984**; 37:631-3.
- 12. Heidecke CD, <u>Kupiec-Weglinski JW</u>, Lear PA, Abbud-Filho M, Araujo JL, Araneda D, Strom TB, Tilney NL: Interactions between T lymphocyte subsets supported by interleukin 2-rich lymphokines produce rejection of vascularized cardiac allografts in T cell deprived rats. **J. Immunol. 1984; 133:582-8.**
- 13. Abbud-Filho M, <u>Kupiec-Weglinski JW</u>, Araujo JL, Heidecke CD, Tilney NL, Strom TB: Cyclosporine therapy of rat heart allograft recipients and release of interleukins (IL 1, IL 2, IL 3): A role for IL 3 in graft tolerance? **J. Immunol.** 1984; 133:2582-6.
- 14. <u>Kupiec-Weglinski JW</u>, Abbud-Filho M, Strom TB, Tilney NL: Sparing of suppressor cells: A critical action of Cyclosporine. **Transplantation 1984**; **38:97-101**.
- 15. Araujo JL, <u>Kupiec-Weglinski JW</u>, Araneda D, Towpik E, Heidecke CD, Williams JM, Tilney NL: Phenotype, activation status, and suppressor activity of host lymphocytes during acute rejection and after Cyclosporine-induced unresponsiveness of rat cardiac allografts. **Transplantation 1985**; 40:278-84.
- 16. <u>Kupiec-Weglinski JW</u>, Heidecke CD, Araujo JL, Abbud-Filho M, Towpik E, Araneda D, Strom TB, Tilney NL: Behavior of helper T lymphocytes in Cyclosporine-mediated long-term graft acceptance in the rat. **Cell. Immunol**. **1985**; **93**:168-77.

- 17. Heidecke CD, Araujo JK, <u>Kupiec-Weglinski JW</u>, Abbud-Filho M, Araneda D, Stadler J, Siewert J, Strom TB, Tilney NL: Lack of evidence for an active role for natural killer cells in acute rejection of organ allografts. **Transplantation** 1985; 40:441-4.
- 18. <u>Kupiec-Weglinski JW</u>, Araujo JL, Towpik E, Araneda D, Tilney NL: Host graft relationship: The systemic nature of allograft rejection. **Surgery 1985**; **98:259-65**.
- 19. Uhteg LC, Salomon DR, Rocher LL, <u>Kupiec-Weglinski JW</u>, Araujo JL, Rubin MF, Tilney NL, Carpenter CB: Cyclosprine-induced transplantation unresponsiveness in rat cardiac allograft recipients: In vitro determination of helper and suppressor activity. **J. Immunol. 1985**; 135:1800-5.
- 20. Towpik E, <u>Kupiec-Weglinski JW</u>, Schneider TM, Tyler D, Padberg W, Araneda D, Tilney NL: Cyclosporine and experimental skin allografts. II. Indefinite survival and development of specific immunologic unresponsiveness. **Transplantation 1985; 40:714-8.**
- 21. Huber DJ, Kirkman RL, <u>Kupiec-Weglinski JW</u>, Araujo JL, Tilney NL, Adams DF: The detection of cardiac allograft rejection by alterations in proton NMR relaxation times. **Invest. Radiology 1985**; 20:796-802.
- 22. <u>Kupiec-Weglinski JW</u>, Towpik E, Schneider TM, Araneda D, Ma L, Tilney NL: T suppressor lymphocytes reverse ongoing acute allograft rejection. **Hum. Immunol. 1985; 14:270-8**.
- 23. <u>Kupiec-Weglinski JW</u>, de Sousa M, Tilney NL: The importance of lymphocyte migration patterns in experimental organ transplantation. **Transplantation 1985**; 40:1-6.
- 24. Towpik E, <u>Kupiec-Weglinski JW</u>, Tilney NL: The potential use of Cyclosporine in reconstructive surgery. **Plast. Rec nstr. Surg. 1985; 76:312-22.**
- 25. De Sousa M, Carroll AM, <u>Kupiec-Weglinski JW</u>, Tilney NL: Regulation of lymphoid cell traffic. **Immunol. T day** 1985; 6:319-20.
- 26. Towpik E, <u>Kupiec-Weglinski JW</u>, Tyler DS, Araujo JL, Schneider TM, Murphy GM, Tilney NL: Cyclosporine and experimental skin allografts: Long-term survival in rats treated, with low maintenance doses. **Plast. Reconstr. Surg.** 1986; 77:268-76.
- 27. <u>Kupiec-Weglinski JW</u>, Diamantstein T, Tilney NL, Strom TB: Therapy with monoclonal antibody to interleukin 2 receptor spares suppressor T cells and prevents or reverses acute allograft rejection in rats. **Proc. Natl. Acad. Sci. USA 1986**; 83:2624-7.
- 28. Guillen FJ, Hancock WW, Towpik E, <u>Kupiec-Weglinski JW</u>, Rickles FR, Tilney NL, Murphy GF: Inhibition of rat skin allograft rejection by Cyclosporine. In situ characterization of the impaired local immune response. **Transplantation 1986**; **41:734-9**.
- 29. Schneider TM, <u>Kupiec-Weglinski JW</u>, Towpik E, Padberg W, Araneda D, Diamantstein T, Strom TB, Tilney NL: Development of suppressor lymphocytes during acute rejection of rat cardiac allografts and preservation of suppression by anti-IL-2-receptor monoclonal antibody. **Transplantation 1986**; **42:191-6**.
- 30. Uhteg LC, <u>Kupiec-Weglinski JW</u>, Rocher LL, Salomon DR, Tilney NL, Carpenter CB: Systemic natural killer activity following cardiac engraftment in the rat: Lack of correlation with graft survival. **Cell. Immunol. 1986**; **100:274-9**.
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